SIGNALS

1,2,5-9 — 12"

3 — 12"/8"

4 — 12"

10-17 — 12"

SIGNS

19 — R 10-12, 36" x 42"

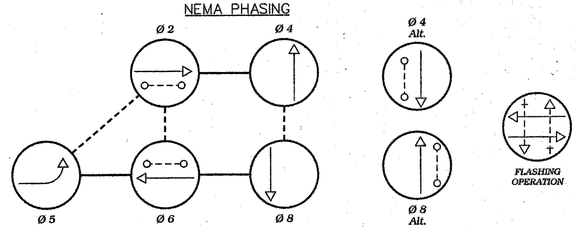
21,23 — R 3-5(L), 30" x 36"

22 — R 3-5(R), 30" x 36"

18,20 — D-3(1), 16" x Var. (Dual Faced Sign)

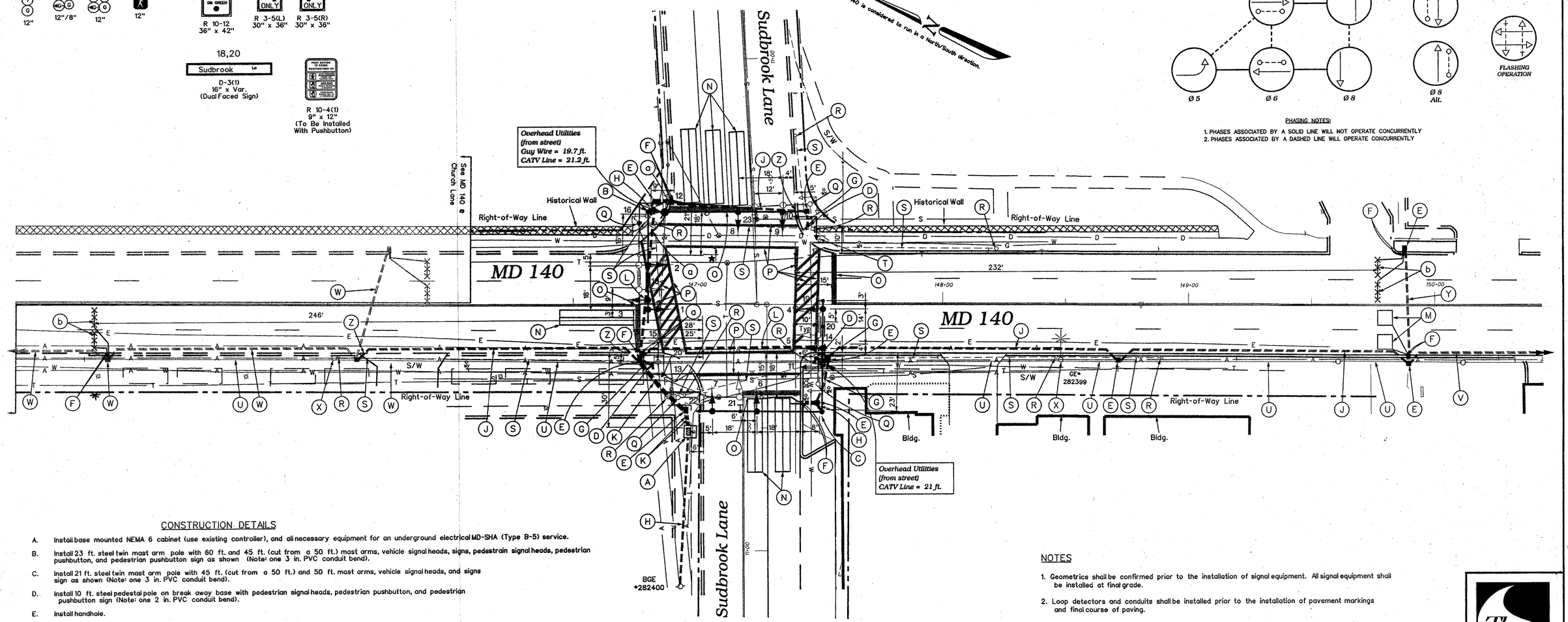
R 10-4(1), 9" x 12" (To Be Installed With Pushbutton)

NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY



BG&E electrical service address: front of 1200 Reisterstown Road.

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet (use existing controller), and all necessary equipment for an underground electrical MD-SHA (Type B-5) service.

B. Install 23 ft. steel twin mast arm pole with 60 ft. and 45 ft. (cut from a 50 ft.) mast arms, vehicle signal heads, signs, pedestrain signal heads, pedestrian pushbutton, and pedestrian pushbutton sign as shown (Note: one 3 in. PVC conduit bend).

C. Install 21 ft. steel twin mast arm pole with 45 ft. (cut from a 50 ft.) and 50 ft. mast arms, vehicle signal heads, and signs sign as shown (Note: one 3 in. PVC conduit bend).

D. Install 10 ft. steel pedestal pole on break away base with pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).

E. Install handhole.

F. Install 1 in. liquid tight flexible conduit for loop detector lead-in.

G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

L. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

M. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).

N. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).

O. Install 24 in. wide pavement marking - white for stop line.

P. Install 12 in. wide pavement marking - white for crosswalk.

Q. Remove existing steel pole and all attached signal equipment.

R. Remove existing splice box.

S. Cap and abandon existing conduit.

T. Remove existing traffic signal pedestal pole.

U. Remove existing overhead interconnect.

V. Installed as part of the Interconnect Plan.

W Installed as part of Traffic Signal Plan for MD 140 at Church Lane.

X. Remove existing PVC riser used for interconnect.

Y. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

Z. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.

a. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.

b. Install microloop probe.

★ Crosswalks are to be installed in line with the Handicap ramps as directed by the Project Engineer.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment shall be installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings and final course of paving.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the highway contract.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
5. Contractor shall hand excavate for each new foundation until all utilities have been adequately cleared.
6. Original signal, design, and construction by Baltimore County.
7. Signal Contractor to excavate sidewalk as necessary to remove/install traffic signal equipment. Upon completion of Traffic Signal work the Signal Contractor is to backfill the excavated areas with a MD-SHA approved material. The restoration of the sidewalk areas is to be completed by others.

The Traffic Group

The Traffic Group, Inc.
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9900 Franklinsquare Dr.
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410-931-6600
1-800-583-8411
Fax 410-931-6601
Job. No. 970727-026
SIG5.DGN

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

UTILITY LEGEND

G — G — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
D — D — STORM DRAIN
A — A — AERIAL CABLES
T — T — TELEPHONE CABLES

REVISIONS

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION — 12/2/99

ASST. DISTRICT ENGINEER - TRAFFIC — 12-6-99

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY — 12-7-99

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 140 at Sudbrook Lane

DATE: December 2, 1999 — LOG MILE • 03014000.88

DRAWN BY: FJH/JES	F.A.P. NO.	SEE TITLE SHEET	PLAN SHEET NO.:	SHEET NO.
CHK. BY: 12-6-99	S.H.A. NO.	BA3035183	3021A	38 of 81
SCALE: 1" = 20'	COUNTY:	Baltimore		

C:\970727\DGN\SIG5.dgn 06 DEC 1999